

ABSTRACT OF THE DISCLOSURE

This invention relates to an image forming apparatus including a developing unit which develops an electrostatic latent image formed on an image carrier by
5 using a two-component developing agent containing polymerized toner. The developing unit includes a supply/convey member which conveys the two-component developing agent in the axial direction while agitating it and a toner density sensor which detects the toner density
10 of the two-component developing agent. The toner density sensor is placed to be in a non-contact state with respect to the supply/convey member and oppose it with a gap of 0.8 mm or less. The diameter of the supply/convey member is set to 23 mm or more.